

U.S. Army Corps of Engineers  
Northwestern Division

# Missouri River Master Manual Review & Update

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Preferred Alternative  
Briefing

12 January 2000

# Issues to be Addressed

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- ◆ Background
- ◆ Criteria/Impacts for Preferred Alternative (PA)
- ◆ Tribal Issues
- ◆ Collaborative Ecosystem Management/Recovery Committee
- ◆ Public Involvement Plan
- ◆ Schedule

# Missouri River Main Stem Reservoir System

## Environmental Resources

Riverine Fish

Including Pallid Sturgeon)

Reservoir Fish

Birds & Plovers

Wetlands Habitat

Boatman Habitat

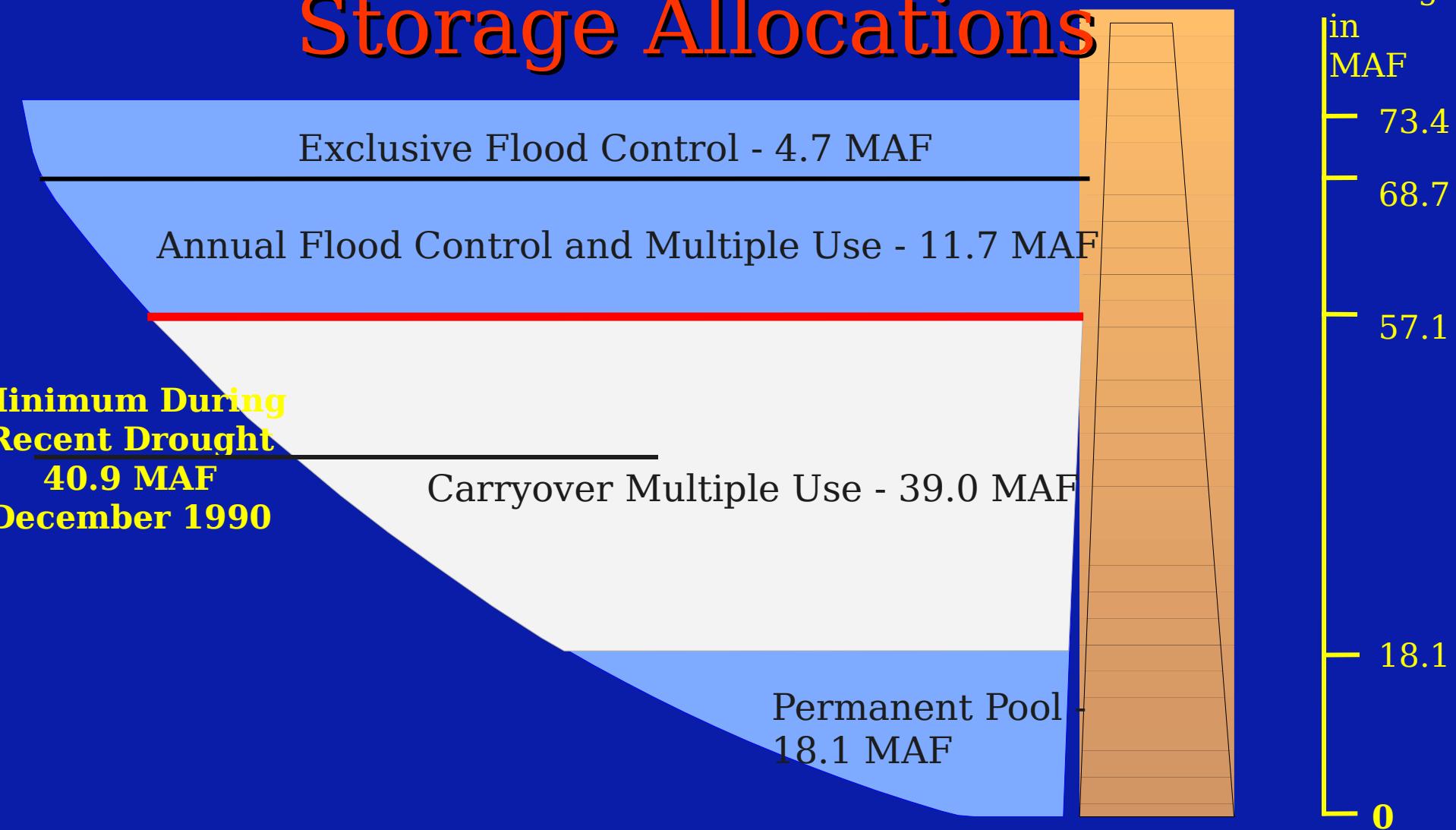
Historic Properties



Economic Uses  
Flood Control  
Irrigation  
Hydropower  
Navigation  
Recreation  
M&I Water Supply  
Water Quality

Bank Stabilization and Navigation Project

# Missouri River Main Stem Storage Allocations



# Operational Criteria for Preferred Alternative

	Flood Control	Navigation Guide Curves	Minimum Storage During Droughts	Navigation Precede	Flow Enhancement Ft. Peck	Flow Enhancement Gavins Point	Split Navigation Season	Intraystem Unbalancing	Lower River Navigation Target
Current Water Control Plan	57.1	Low	19/40/40	24	None	Flat Release	None	None	None
PA	57.1	Intermediate Triggers	27/42/43	31	Yes	Flat Release	None	Yes	Yes

# Comparison of the Economic & Environmental Benefits of the Preferred Alternative (% Change from the Current Water Control Plan)

	Flood Control Economics	Missouri River Navigation Economics	Hydropower Economics	Water Supply Economics	Recreation Economics	Total National Economics	Cold River Fish Temperature Habitat	Cold Reservoir Fish Temperature Habitat	Warm River Fish Temperature Habitat	Warm River Fish Depth/Velocity Habitat	Young-of-Year Fish Production	Tern and Plover Island Habitat	Wetland Habitat	Riparian Habitat	Historic Properties Erosion Potential	Mississippi River Navigation Economics
PA	-1	-1	1	0	4	0	2	3	-8	0	2	43	1	-2	-3	0

# Tribal Issues

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- ◆ Tribal Input & Consultation
- ◆ Corps Tribal Recommendations
  - ◆ Continue Government to Government consultation on flow related issues through the ROD
  - ◆ Support Tribal representation on Recovery Committee
  - ◆ Support monitoring of Tribal resources in the Collaborative Ecosystem Management Process
  - ◆ Identify mitigation measures for the operational impacts on cultural resources

# **Collaborative Ecosystem Management Strategy**

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- ◆ Collaborative Ecosystem Management (CEM) already in place
- ◆ PA includes continuation of CEM
- ◆ CEM encompasses broad scope of environmental issues on the Missouri River

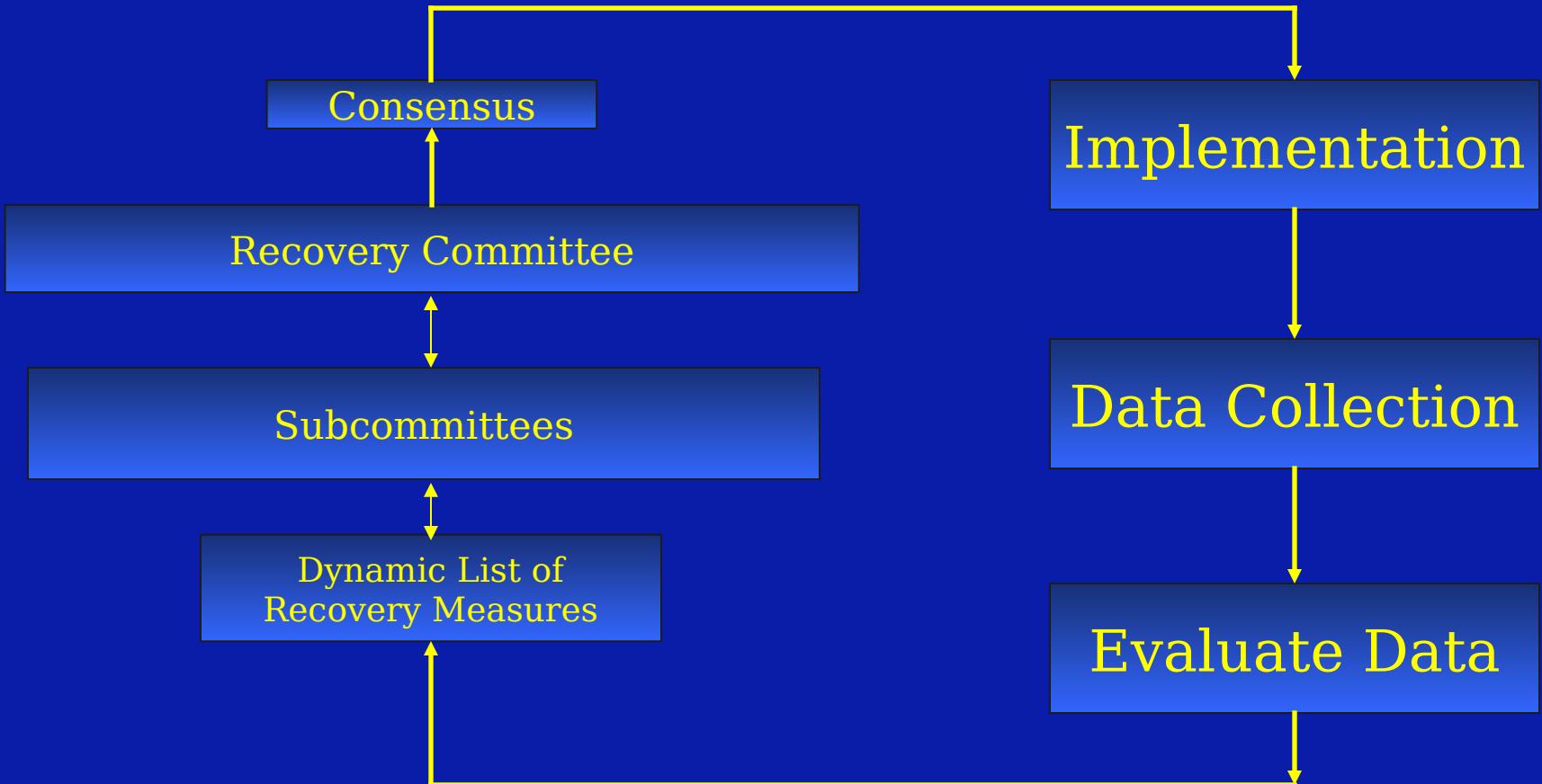
# Recovery Committee

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## (RC)

- ◆ PA announces intent to facilitate/lead RC
- ◆ Process & structure for CEM
- ◆ RC advisory in nature
- ◆ Involves stakeholders
- ◆ Results oriented (proactive)
- ◆ Best way to ensure we preclude jeopardy

# Collaborative Ecosystem Management Strategy



# Public Involvement Plan

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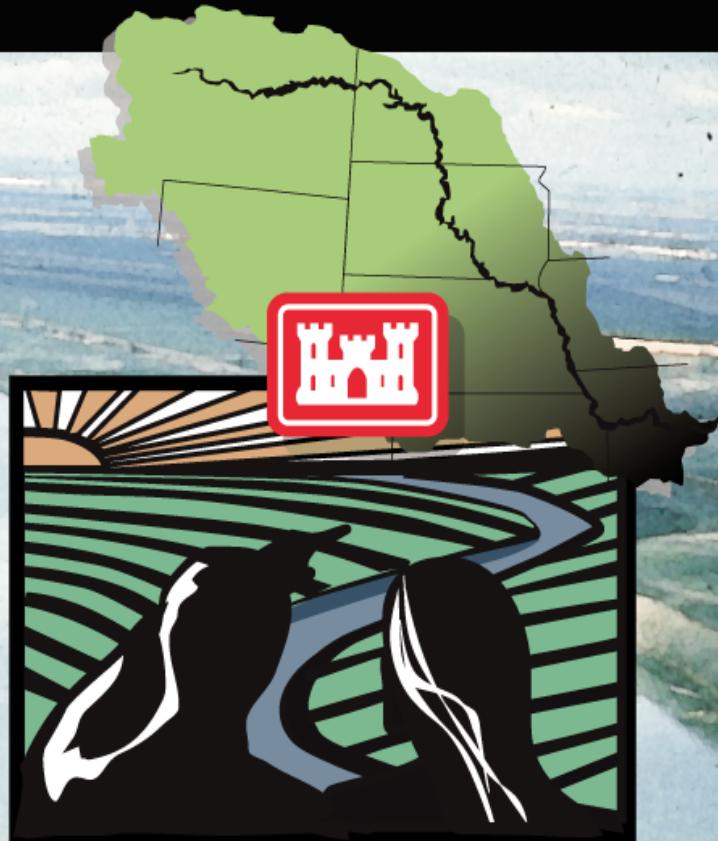
- ◆ Press Release - Outline PA
- ◆ Newsletters
- ◆ Video and CD
- ◆ Workshops
- ◆ Public Hearings
- ◆ Web Site

# Missouri River Master Manual

## Review & Update Current Approved Schedule

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- ◆ Preliminary Revised Draft EIS (PRDEIS) - August 1998
- ◆ PRDEIS Tribal & Public Coordination Period - January 1999
- ◆ Revised Draft EIS (RDEIS) - March 2000
- ◆ RDEIS Tribal & Public Comment Period - September 2000
- ◆ Final EIS - June 2001
- ◆ Washington Level Review - December 2001
- ◆ Record of Decision (ROD) - February 2002
- ◆ Revise Master Manual - February 2002
- ◆ Develop AOP - December 2002
- ◆ Implement Selected Plan - March 2003



Shared River..... Shared Vision